



4th Annual KB Workshop October 14, 2004 Dallas, TX

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Plant Protection and Quarantine
Pest Detection and Management Programs
Riverdale, Maryland



### **National Activities**

## **KB National Survey**



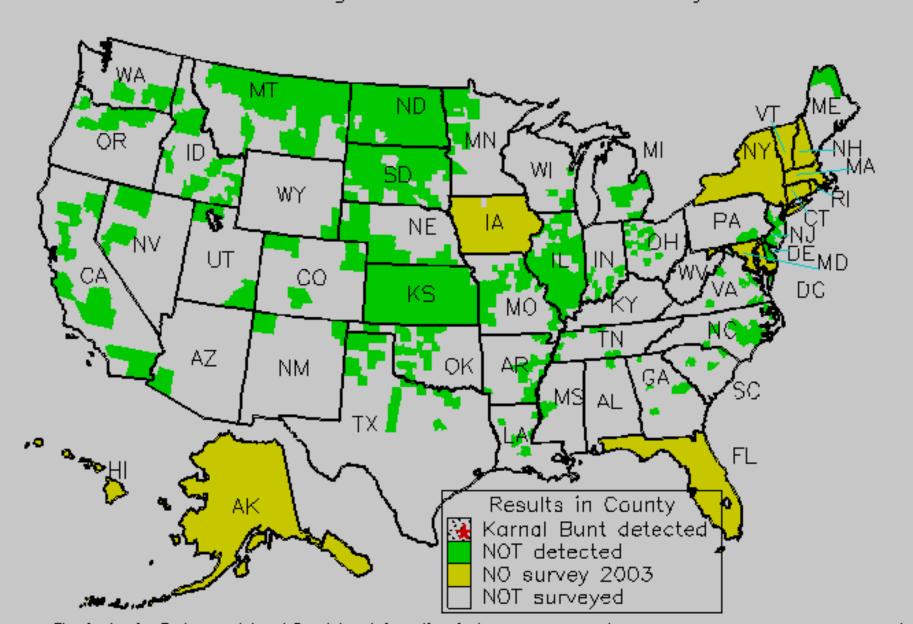
To confirm that Kb was a problem in only localized areas and not widespread in the US crop, the National Karnal Bunt Survey was initiated in 1996.

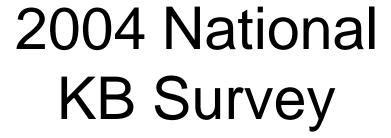
650+/- counties in 39+/- States participate each year

Map

#### 2003 Karnal Bunt National Survey

Data from National Agricultural Pest Information System 2004.07.13







States participating	37	
States pending	6 (CO, MN, MT, OR, PA, SD, TX?)	
Deficit	106	
Projected samples	1487	
Receive samples	1469	
Number positive	0	

# Regulatory Highlights and Activities

October 13, 2004 Olney, TX 1997- bunted kernel standard established for declaring a field Kb positive

USDA changed the focus of the Kb program from eradication to management of risk





#### Regulated articles:

- Conveyances, including trucks, railroad cars, and other containers used to move wheat, durum wheat, or triticale
- Grain elevators/ equipment/ structures used for storing and handling wheat, durum wheat, and triticale
- Plants, or plant parts, including grain, seed, or straw, or straw of all varieties of wheat (*Triticum aestivum*), durum wheat (*Triticum durum*), and triticale (*Triticum aestivum* x *Secale cereale*)

## Recent Regulatory Changes

#### Deregulation of:

- Manure
- Soil
- Milling Products and Byproducts

#### Planting

– Wheat that is planted inside the regulated area that yields a negative test result for bunted kernels and teliospores, will qualify as seed that can be sown inside and outside the regulated area. "Regulated area" is a ...

a field planted with seed from a lot found to contain a bunted wheat kernel; or

a distinct definable area that contains at least one field that was found during a survey to contain a bunted wheat kernel; or

a distinct definable area that contains at least one field that has been determined to be associated with grain at a handling facility containing a bunted kernel of a host crop. A field known to have been infected with Karnal Bunt, as well as any non-infected acreage surrounding the field, will be released from regulation if:

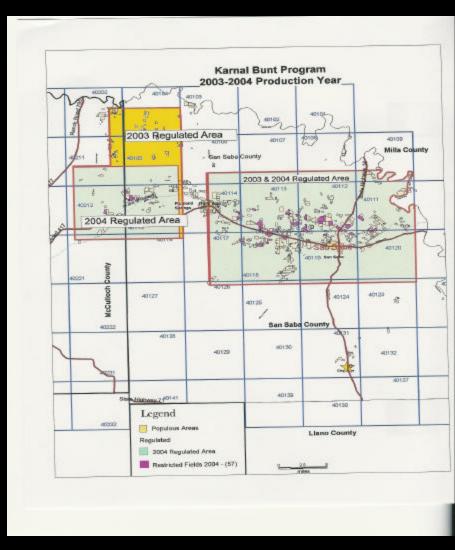
 The field is no longer being used for crop production (e.g. shopping mall or residential subdivision);

Or ....

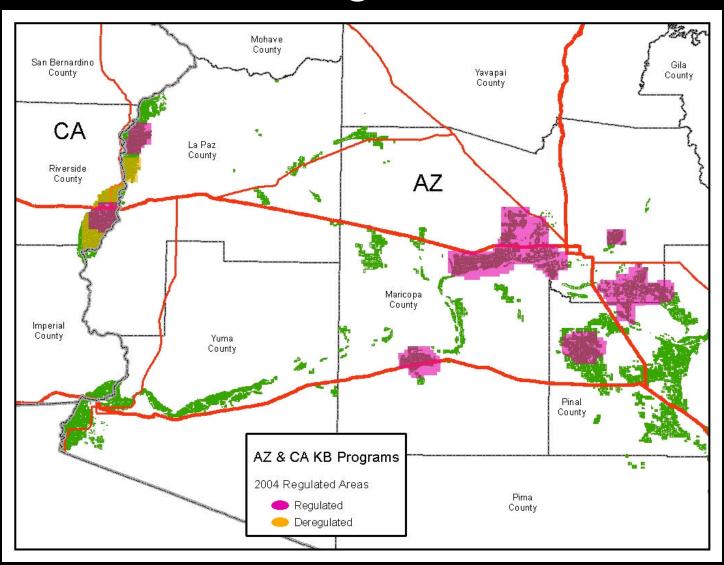
#### ...(released from regulation, cont'd.)

- Or...Each year for a period of 5 [consecutive] years, the field is:
- Planted with a cultivated non-host crop;
- Tilled once annually; or
- Planted with a host crop that tests negative, through the absence of bunted kernels, for Karnal Bunt. (Tillage is required)

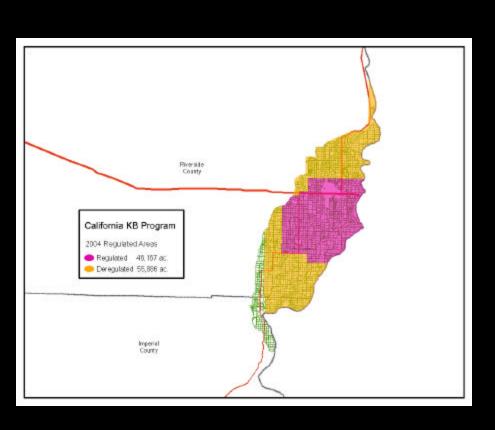
# Area Deregulated San Saba Regulated Area

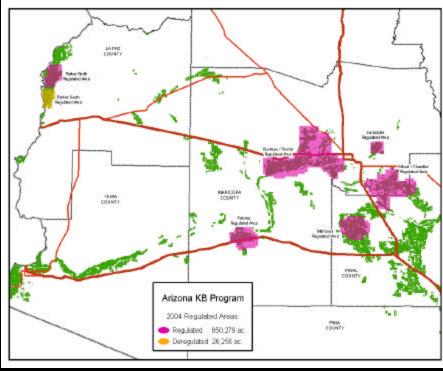


# Area Deregulated CA & AZ Regulated Areas

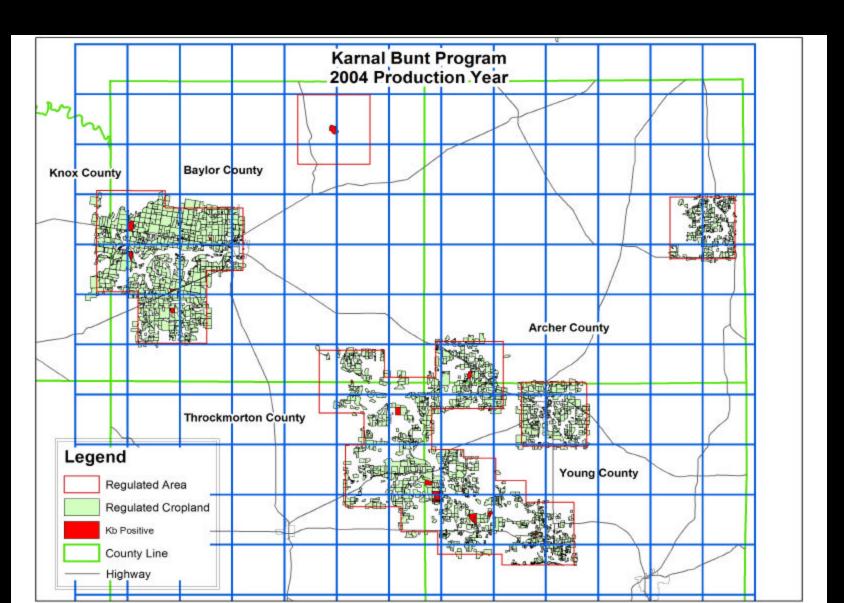


# Area Deregulated AZ & CA Regulated Area



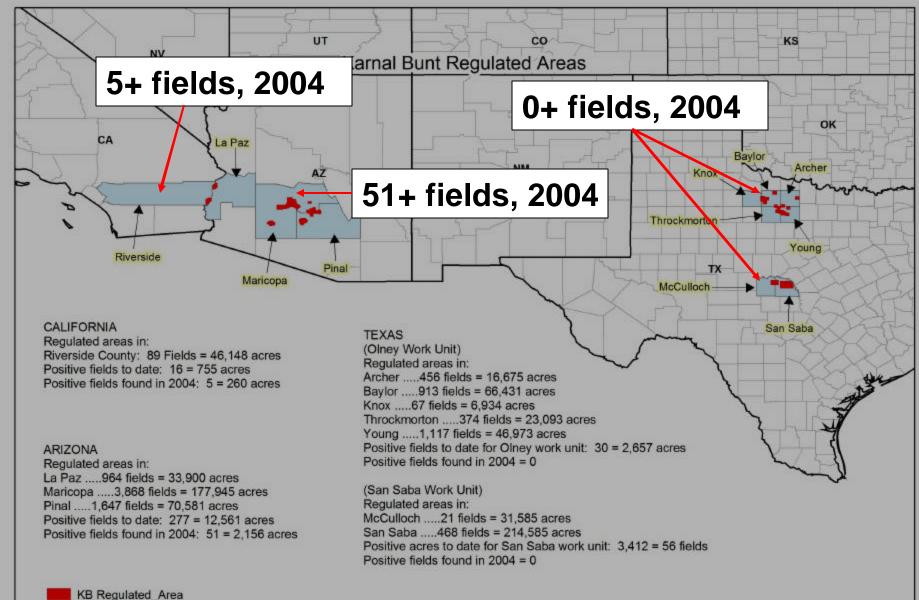


# Olney Regulated Area



## **KB Positive Fields**

Year	AZ	TX	CA
1996	18	N/a	
1997	4	17	
1998	75		4
1999			
2000	14		
2001	92	83	3
2002	12	4	
2003	26		5
2004	51		5



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"Positive field" is a field where a grain sample was collected at the field level and determined to contain at least one bunted kernel.

<sup>&</sup>quot;Regulated area" is an area regulated by USDA for Karnal bunt that is a distinct, definable, commercial wheat production area that includes at least one field that tested positive for bunted kernels and includes the surrounding 3 miles.

# Recent Regulatory Changes (continued)

- Modification of Cleaning and Disinfecting Requirements for Seed Conditioning Equipment
  - -If seed that was run through the equipment was tested and found to contain spores or bunted kernels, then the equipment must be cleaned and disinfected prior to being moved from a regulated area or prior to handling sporenegative seed.

#### <u>www.gpoaccess.gov/cfr/index.html</u> or http:// or http://www.aphis.usda.gov/ppq/ep/kb/notices.html



#### **KB Federal Register Notices:**

**03-047-2** Karnal Bunt; Affirm Addition/Removal of Fields in AZ and CA. Final Rule 2004/08/17

**03-052-2** Karnal Bunt; Compensation for Custom Harvesters in Northern TX. Technical Ammendment 2004/07/08

**04-038-1** Karnal Bunt; Remove Restrictions on Regulated Areas in TX. Interim Rule 2004/05/17

**03-052-1** Karnal Bunt; Compensation for Custom Harvesters in Northern TX. Interim Rule 2004/05/04

**02-057-1** Karnal Bunt; Revision of Regulations for Importing Wheat. **Proposed Rule** 2004/03/03

**02-056-2** Karnal Bunt; Revision of Domestic Regulations. Final Rule 2004/02/23

**03-047-1** Karnal Bunt; Karnal Bunt; Addition/Removal of Fields in CA. Interim Rule 2004/01/05